Table 1: Changes to Vo Release B RBRs
Baseline: November 8, 1996
CCR: 96-1474/A

RBR_id	req_key	req_category	segment	req_type	s_verif_method	s_verif_stat	a_verif_method	a_verif_stat	text	interpretation text	clarification
V0-0010#B	3043	mission essential TBD	SDPS	interface	test TBD	un-verified	test	un-verified	The ECS shall provide two way interoperability to the ESDIS V0 system IMS via Level 3 interoperability.		
V0-0020#B	3045	mission essential TBD	CSMS	interface/ security	test TBD	un-verified	test	un-verified	ESDIS V0 IMS shall have the capability to send and ECS shall have the capability to receive User Authentication Requests [implementation issue 1].	The V0 protocol embeds user authentication in each request. There is no separate authentication request by ECS.	Reference IRD between EOSDIS Project & V0 System (505-41-11, Appendix B) for implementation the issue description.
V0-0030#B	5865	mission essential TBD	CSMS	interface/ security	test TBD	un-verified	test	un-verified	The ECS shall have the capability to send and ESDIS V0 IMS shall have the capability		Reference IRD between EOSDIS Project & V0 System (505-41-11, Appendix B) for implementatic

									to receive ECS User Authenticatio n Information [implementati on issue 1].		n the issue description
V0-0040#B	3049	mission essential TBD	CSMS	interface/ security	test TBD	un-verified	test	un-verified	The ECS shall have the capability to send and ESDIS V0 IMS shall have the capability to receive V0 User Authenticatio n Requests [implementati on issue 1].	The V0 protocol embeds user authentication in each request. There is no separate authentication request by ECS.	Reference IRD between EOSDIS Project & V0 System (505-41-11, Appendix B) for implementatio n the issue description
V0-0050#B	3051	mission essential TBD	CSMS	interface/ security	test TBD	un-verified	test	un-verified	ESDIS V0 IMS shall have the capability to send and ECS shall have the capability to receive V0 User Authenticatio n Information [implementati on issue 1].		Reference IRD between EOSDIS Project & V0 System (505-41-11, Appendix B) for implementatio n the issue description
V0-0055#B	3053	mission essential TBD	CSMS	interface	test TBD	un-verified	test	un-verified	Version 0 shall permit ECS to use agreed upon		

								Version 0 network components and services.		
V0-0060#B	3055	mission essential ~~TBD~~	SDPS	interface	test~~TBD~~	un-verified	test	un-verified	The ECS shall have the capability to send and ESDIS V0 IMS shall have the capability to receive Inventory Search Requests via V0 protocols.		
V0-0070#B	3057	mission essential ~~TBD~~	SDPS	interface	test~~TBD~~	un-verified	test	un-verified	The ESDIS V0 IMS shall have the capability to send and ECS shall have the capability to receive Inventory Search Results via V0 protocols.		
V0-0080#B	3059	mission essential ~~TBD~~	SDPS	interface	test~~TBD~~	un-verified	test	un-verified	The ECS shall have the capability to send and the ESDIS V0 IMS shall have the capability to		

								receive Guide Search Requests via V0 protocols.		
V0-0090#B	3061	mission essential ~~TBD~~	SDPS	interface	test~~TBD~~	un-verified	test	un-verified	The ESDIS V0 IMS shall have the capability to send and the ECS shall have the capability to receive Guide Search Results via V0 protocols.		
V0-0100#B	3063	mission essential ~~TBD~~	SDPS	interface	test~~TBD~~	un-verified	test	un-verified	The ECS shall have the capability to send and the ESDIS V0 IMS shall have the capability to receive Browse Requests via V0 protocols.		
V0-0110#B	3065	mission essential ~~TBD~~	SDPS	interface	test~~TBD~~	un-verified	test	un-verified	The ESDIS V0 IMS shall have the capability to send and the ECS shall have the capability to receive and Browse		

								Results via V0 protocols.			
V0-0120#B	3067	mission essential ~~TBD~~	SDPS	interface	test~~TBD~~	un-verified	test	un-verified	The ECS shall have the capability to send and ESDIS V0 IMS shall have the capability to receive Product Requests via V0 protocols.		
V0-0150#B	3069	mission essential ~~TBD~~	SDPS	interface	test~~TBD~~	un-verified	test	un-verified	ESDIS V0 IMS shall have the capability to send and the ECS shall have the capability to receive Inventory Search Requests via V0 protocols.		
V0-0160#B	3071	mission essential ~~TBD~~	SDPS	interface	test~~TBD~~	un-verified	test	un-verified	ECS shall have the capability to send and ESDIS V0 IMS shall have the capability to receive Inventory Search		

									Results via V0 protocols.	
V0-0170#B	3073	mission essential ~~TBD~~	SDPS	interface	test~~TBD~~	un-verified	test	un-verified	V0 ESDIS IMS shall have the capability to send and ECS shall have the capability to receive Guide Search Requests [implementation issue 2].	Reference IRD between EOSDIS Project and V0 System (505-41-11, Appendix B) for implementation the issue description
V0-0180#B	3075	mission essential ~~TBD~~	SDPS	interface	test~~TBD~~	un-verified	test	un-verified	The ECS shall have the capability to send and V0 ESDIS IMS shall have the capability to receive Guide Search Results [implementation issue 2].	Reference IRD between EOSDIS Project and V0 System (505-41-11, Appendix B) for implementation the issue description
V0-0190#B	3077	mission essential ~~TBD~~	SDPS	interface	test~~TBD~~	un-verified	test	un-verified	V0 ESDIS IMS shall have the capability to send and ECS shall have the capability to receive Browse Requests	Reference IRD between EOSDIS Project and V0 System (505-41-11, Appendix B) for implementation the issue description

									[implementation issue 2].		
V0-0200#B	3079	mission essential ~~TBD~~	SDPS	interface	test~~TBD~~	un-verified	test	un-verified	The ECS shall have the capability to send and V0 ESDIS IMS shall have the capability to receive Browse Results [implementation issue 2].		Reference IRD between EOSDIS Project and V0 System (505-41-11, Appendix B) for implementation the issue description
V0-0230#B	3081	mission essential ~~TBD~~	SDPS	interface	test~~TBD~~	un-verified	test	un-verified	The ESDIS V0 IMS shall have the capability to send and ECS shall have the capability to receive Product Requests via V0 protocols.		
V0-0240#B	3083	TBD	SDPS	interface	test~~TBD~~	un-verified	test	un-verified	ECS and Version 0 shall exchange pricing information, as necessary.		
V0-0260#B	5871	mission essential ~~TBD~~	SDPS	interface	test~~TBD~~	un-verified	test	un-verified	The DAACs V0 IMS shall have the capability to		

									send and ECS shall have the capability to receive Migration Metadata.	
V0-0270#B	5875	mission essential ~~TBD~~	SDPS	interface	test ~~TBD~~	un-verified	test	un-verified	The DAACs V0 DADS shall have the capability to send and ECS shall have the capability to receive Migration Data Products.	
V0-0280#B	5881	mission essential ~~TBD~~	SDPS	interface	test ~~TBD~~	un-verified	test	un-verified	The DAACs V0 DADS shall have the capability to send and ECS shall have the capability to receive Migration Browse Data.	
V0-0290#B	5884	mission essential ~~TBD~~	SDPS	interface	test ~~TBD~~	un-verified	test	un-verified	The DAACs V0 DADS shall have the capability to send and ECS shall have the capability to	

									receive Migration Documentation Data.		
V0-0300#B	5888	mission essential TBD	SDPS	interface	test TBD	un-verified	test	un-verified	The DAAC V0 DADS shall have the capability to send and ECS shall have the capability to receive Migration Ancillary Data and Correlative Data.		
V0-0310#B	5892	mission essential TBD	SDPS	interface	test TBD	un-verified	test	un-verified	The DAACs V0 PGS shall have the capability to send and ECS shall have the capability to receive Migration Data Products.		
V0-0320#B	5899	mission essential TBD	SDPS	interface	test TBD	un-verified	test	un-verified	The DAACs V0 PGS shall have the capability to send and ECS shall have the capability to		

								receive Migration Browse Data.		
V0-0330#B	5901	mission essential ~~TBD~~	SDPS	interface	test ~~TBD~~	un-verified	test	un-verified	The DAACs V0 PGS shall have the capability to send and ECS shall have the capability to receive Migration Metadata.		
V0-0331#B	5904	mission essential ~~TBD~~	SDPS	operational/interface	test ~~TBD~~	un-verified	test	un-verified	The DAACs V0 PGS shall have the capability to send and ECS shall have the capability to receive Migration Data Products according to the agreed schedule.		If required, schedules will be agreed upon between data provider and indivdual DAACs.
V0-0340#B	5907	mission essential ~~TBD~~	SDPS	interface	test ~~TBD~~	un-verified	test	un-verified	The ECS shall have the capability of ingesting migration data in the following data format (s): a. HDF		

									b. native format c. TBD		
V0-0350#B	5911	mission essential ~~TBD~~	SDPS	interface	test ~~TBD~~	un-verified	test	un-verified	The ECS shall have the capability of receiving data products from the DAAC(s) V0 system on the following media: a. CD-ROM b. 4mm tape c. 8mm tape d. 6250 bpi magnetic tape e. electronic transfer		
V0-0360#B	5915	mission essential ~~TBD~~	SDPS	procedural/interface	test ~~TBD~~	un-verified	test	un-verified	The ECS and DAAC(s) shall have the capability to exchange Migration Coordination messages [implementation issue 3].		Reference IRD between EOSDIS Project and V0 System (505-41-11, Appendix B) for implementation the issue description
V0-0370#B	3120	mission essential ~~TBD~~	SDPS	interface	test ~~TBD~~	un-verified	test	un-verified	The DAAC(s) shall have the capability to send and ECS shall have the capability to receive		Reference IRD between EOSDIS Project and V0 System (505-41-11, Appendix B) for implementation

									Advertising Information [implementation issue 6].		n the issue description
V0-0380#B	3122	mission essential TBD	SDPS	interface	test TBD	un-verified	test	un-verified	ECS shall have the capability to send and the ESDIS IMS team shall have the capability to receive Dependent Valids Information.		

Table 2: Changes to SCF Release B RBRs
Baseline: November 8, 1996
CCR: 96-1474/A

RBR_id	req_key	req_category	segment	req_type	s_verif_method	s_verif_stat	a_verif_method	a_verif_stat	text	interpretation text	clarification
SCF-0001#B	2398	N/A procedural TBD	N/A procedural	procedural	not verified by ECS TBD	N/A procedural un-verified	not verified by ECS	N/A procedural	The SCF interface platform shall adhere to requirements specified in the Data Production Software and SCF Standards and Guidelines, GSFC 423-16-01. This	External requirement: Information only. No action is required by ECS.	

									standards document includes SCF requirements for operating system, computer communications, e-mail protocol, and windowing protocol.		
SCF-0010#B	5751	N/A procedural~~TBD~~	N/A procedural~~SDPS~~	procedural	not verified by ECS~~TBD~~	N/A procedural~~un-verified~~	not verified by ECS	N/A procedural	The SCF interface shall consist of an ESDIS approved computing platform that shall have a C compiler. To access FORTRAN routines in the ECS Toolkits, the platform shall also have a FORTRAN compiler.	External only requirement: Information only. No action is required by ECS.	
SCF-0020#B	5754	N/A procedural~~TBD~~	N/A procedural~~CSMS~~	procedural	not verified by ECS~~TBD~~	N/A procedural~~un-verified~~	not verified by ECS	N/A procedural	The SCF interface platform shall supply the DCE client and have an I/O	External only requirement: Information only. No action is required by ECS. B: ASTER GDS	

									communication port and the ability to run TCP/IP software for communication to the ECS.	interfaces to EDC DAAC only.
SCF-0025#B	5936	N/A_procedural T̶B̶D̶	N/A_procedural C̶S̶M̶S̶	procedural	not verified by ECS T̶B̶D̶	N/A_procedural u̶n̶-verified	not verified by ECS	N/A_procedural	The SCF interface platform shall provide one of the following levels of security for interoperation with ECS: a. Kerberized authentication for bi-directional file transfers. B. User of Distributed Computing Environment (DCE) for authentication of users, authorization of users for access to services such as remote file access, and provision for integrity of data being transferred.	External only requirement: Information only. No action is required by ECS.
SCF-0030#B	2406	N/A_procedural T̶	N/A_procedural S̶	procedural	not verified	N/A_procedural u̶	not verified	N/A_procedural	The SCF	External only requirement:

		BD	DPS		by ECSTBD	n-verified	by ECS		interface platform shall have adequate computing resources for the storage, compilation, linking, and execution of ECS supplied software resident on the platform.	Information only. No action is required by ECS.	
SCF-0060#B	2415	mission essential TBD	SDPS	interface	demoTBD	un-verified	demo	un-verified	The ECS shall have the capability to provide to the SCF the Toolkit Delivery and Update Package. This package includes the PGS toolkit which supplies tools for the emulation of the ECS production environment and contains a ECS-standardized software routines to aid in science data production		

									software development.	
SCF-0070#B	2418	mission essential ~~TBD~~	SDPS	interface	demo~~TBD~~	un-verified	demo	un-verified	The ECS shall have the capability to provide Integration and Test Specifications to the scientist at the SCF. These specifications are defined by the Data Processing Focus Team. These specifications are implemented in the Data Production Software Delivery Package and support smooth integration of the data production software into the ECS production environment.	These specifications are actually requirements for the science software packages that SCFs provide to DAACs and the Data Processing Focus Team is no longer in existence.	
SCF-0080#B	5776	mission essential ~~TBD~~	SDPS	interface	demo~~TBD~~	un-verified	demo	un-verified	The ECS shall have the capability to provide an		

								Interactive Session Dialog with the SCF. This dialog, to aid integration and test of the data production software into the ECS production environment, shall support, at a minimum, general communications between the ECS and the SCF that include logins, mail messages, status reports, test coordination, test execution scripts, and solutions to minor problems.		
SCF-0090#B	2423	mission essential ~~TBD~~	SDPS	interface	test~~TBD~~	un-verified	test	un-verified	The SCF shall have the capability to provide ECS with the Data Production	This implies a requirement for ECS to receive Data Production Software Delivery

									Software Delivery Package with "Required Items For Delivery" as specified by the Science User's Guide and Operations Procedure Handbook for the ECS Project.	Packages that SCFs send.	
SCF-0100#B	2426	mission essential ~~TBD~~	SDPS	interface	test ~~TBD~~	un-verified	test	un-verified	The ECS shall have the capability to forward Test Products to the SCF. These products generated by the science software at the ECS will require the review of the scientist at the SCF who submitted the software.	"Test products" are the "results of science software testing" per a test plan provided to the DAAC by the SCF that developed the science software to be tested.	
SCF-0110#B	2429	mision essential ~~TBD~~	SDPS	interface	demo ~~TBD~~	un-verified	demo	un-verified	The ECS shall have the capability to receive Test Product Reviews	"Test products Reviews" are SCFs' analyses of the results of science	

									from the SCF. These reviews shall include the comments and recommendations of the scientist at the SCF who has reviewed the Test Products.	software testing per SCF-provided test plans (i.e., Test Products).	
SCF-0120#B	2432	mission essential TBD	SDPS	interface	testTBD	un-verified	test	un-verified	The ECS shall have the capability to receive Data Production Software Updates from the SCF. These Data Production Software Updates include modifications to any data production software already submitted to the ECS by the SCF. The Data Production Software		

									Updates may include some or all the items required in the Data Production Software Delivery Package.		
SCF-0130#B	2433	TBD	SDPS	interface	test~~TBD~~	un-verified	test	un-verified	The ECS shall have the capability to receive Special Products from the SCF. These shall include L1 - L4 Special Products.		
SCF-0140#B	2434	TBD	SDPS	interface	test~~TBD~~	un-verified	test	un-verified	The ECS shall have the capability to receive Metadata, related to Special Products, from the SCF.		
SCF-0150#B	2435	TBD	SDPS	interface	test~~TBD~~	un-verified	test	un-verified	The ECS shall have the capability to receive Ancillary Data, related		

									to Special Products, from the SCF.		
SCF-0160#B	2436	TBD	SDPS	interface	test~~TBD~~	un- verified	test	un- verified	The ECS shall have the capability to receive Calibration Data, related to Special Products, from the SCF.		
SCF-0180#B	2438	TBD	SDPS	interface	test~~TBD~~	un- verified	test	un- verified	The ECS shall have the capability to receive Documents from the SCF that are related to Special Products and deemed necessary by the contributing scientist.		
SCF-0190#B	2439	TBD	SDPS	interface	test~~TBD~~	un- verified	test	un- verified	The ECS shall have the capability to receive Data Production Software, related to		

									Special Products, from the SCF.	
SCF-0200#B	2441	mision essential TBD	SDPS	interface	demo TBD	un-verified	demo	un-verified	The ECS shall have the capability to receive from the SCF a QA Notification Specification. This specification, submitted by the scientist at the SCF, describes the conditions under which data should be forwarded to the SCF for QA.	
SCF-0210#B	5940	mission essential TBD	SDPS	interface	demo	un-verified	demo	un-verified	The ECS shall have the capability to send a Data Quality Request Notification to the SCF. This notification is sent when QA notification criteria are met during routine ECS	This notification is an action to be taken by ECS after the occurrence of a triggering event per a subscription that the SCF had previously entered. SCFs no longer have a time limit by	

									processing. The notification states the data product and the time by which a notification, and optionally data, must be evaluated and returned to the ECS for inclusion as an update to the product metadata.	which they must complete their QA of science data, but the metadata will reflect the lack or presence of the QA.		
SCF-0220#B	2443	mission essential ~~TBD~~	SDPS	interface	demo ~~TBD~~	un-verified	demo	un-verified	The ECS shall have the capability to receive from the SCF a Request for Data to QA. This request may be a standing request specified in the QA Notification Specification and may include the data product specified in the Data Quality Request	This is a request for data distribution whether the request is made as part of a subscription or as a data order.		

								Notification, or other data required by the scientist to QA the data product.		
SCF-0230#B	2445	mission essential ~~TBD~~	SDPS	interface	demo~~TBD~~	un-verified	demo	un-verified	The ECS shall have the capability to send Data Delivered for QA to the SCF. This data includes the data requested by the scientist needed for the QA of data products.	This is a distribution of data as requested by the SCF.	
SCF-0240#B	2447	mission essential ~~TBD~~	SDPS	interface	test~~TBD~~	un-verified	test	un-verified	The ECS shall have the capability to receive an On Time QA from the SCF. This shall consist of the science QA codes describing the results of product QA and any further instructions to the ECS.	On Time QA is reflected in ECS as Metadata Updates that are made to in response to data QA by the SCF. Also, no distinction is presently made between on-time QA and QA that is not on time.	

									The ECS shall accept the On Time QA when it is received within the time-out period specified in the Data Quality Request Notification. ECS shall accept post-time-out QA updates as Metadata Updates as specified by Requirement SCF-0250.		
SCF-0250#B	2449	mission essential ~~TBD~~	SDPS	interface	test~~TBD~~	un-verified	test	un-verified	The ECS shall have the capability to receive Metadata Updates from the SCF. These shall include the science QA codes and optionally a report describing the results of product QA and any further	On Time QA is the same as Metadata Updates. Also, no distinction is presently made between on-time AQ and QA that is not on time. Metadata updates will be accepted whenever appropriate.	

									instructions to the ECS. The ECS shall only accept Metadata Updates when they are received after the time allotment specified in the Data Quality Request Notification.		
SCF-0260#B	2451	mission fulfillme nt~~TBD~~	SDPS	interface	demo~~TB D~~	un-verified	demo	un-verified	The ECS shall have the capability to make a Reprocessing Request Template available to the SCF. This template will be used by the scientist at the SCF to prepare a Reprocessing Request.		
SCF-0270#B	2453	mission essential ~~TBD~~	SDPS	interface	test~~TBD~~	un-verified	test	un-verified	The ECS shall have the capability to receive a Reprocessing Request from		

									the SCF. This request, at a minimum, contains the following, a list of all the products to be generated, the version numbers of the science software and calibration coefficients, a list of all ancillary data, and data start and stop times.		
SCF-0280#B	2455	mission essential ~~TBD~~	SDPS	interface	test~~TBD~~	un-verified	test	un-verified	The ECS shall have the capability to supply a Reprocessing Status to the SCF. This status that includes the reprocessing schedule informs the scientist at the SCF the status of his reprocessing request and provides	Reprocessing status and processing status are identical. SCFs requests notification of completion by entering a subscription to insertion of the data product being processed.	

									notification upon completion of the reprocessing by the ECS.		
SCF-0290#B	2456	TBD	SDPS	interface	test~~TBD~~	un-verified	test	un-verified	The ECS shall have the capability to send the Local Data Access Services Delivery Package to the SCF. This package shall provide management of, search of, and access to local metadata.		
SCF-0300#B	3393	TBD	SDPS | CSMS	procedural	test~~TBD~~	un-verified	test	un-verified	The SCF shall have the capability to install and make operational in the SCF environment all COTS products that are required by Local Data Access Services.		

| SCF-0310#B | 2459 | mission essential ~~TBD~~ | SDPS | interface | demo~~TBD~~ | un-verified | demo | un-verified | The ECS shall have the capability to receive Calibration Coefficient Requests from the SCF. The current or past calibration coefficients used in processing of instrument data may be requested by the scientist from the ECS. | | Calibration coefficients are interpreted as 1) calibration and other coefficients and 2) SCF-generated ancillary data needed by the DAAC processing of science software. These coefficients are treated like data products. Other coefficients are part of the Data Production Software Packages. |
| SCF-0330#B | 2464 | mission essential ~~TBD~~ | SDPS | interface | test~~TBD~~ | un-verified | test | un-verified | The ECS shall have the capability to receive a Calibration Coefficient Update Package from the SCF. This package shall include a calibration coefficient | | |

								file and other documentation needed to implement the updated coefficients.		
SCF-0340#B	2466	mission essential ~~TBD~~	SDPS	interface	test~~TBD~~	un-verified	test	un-verified	The SCF shall have the capability to send a Request for Processing Status to the ECS for the status of SCF-requested data processing.	ECS has an implied requirement to receive the status requests from SCFs. Reprocessing status and processing status are identical.	
SCF-0350#B	2468	mission essential ~~TBD~~	SDPS	interface	test~~TBD~~	un-verified	test	un-verified	The ECS shall have the capability to provide SCF with the Processing Status of SCF-requested data processing.	Reprocessing status and processing status are identical.	
SCF-0360#B	2470	mission essential ~~TBD~~	SDPS	interface	test~~TBD~~	un-verified	test	un-verified	The SCF shall have the capability to send a Request for Resource Usage to the ECS for	ECS has an implied requirement to receive the status requests from SCFs.	

									information about ECS resource usage during SCF-requested data processing.		
SCF-0370#B	2472	mission essential ~~TBD~~	SDPS	interface	test~~TBD~~	un-verified	test	un-verified	The ECS shall have the capability to provide SCF with information about ECS Resource Usage during SCF-requested data processing.		
SCF-0380#B	2474	mission essential ~~TBD~~	SDPS	interface	demo~~TBD~~	un-verified	demo	un-verified	The SCF shall have the capability to send a Request for Product History (including the algorithms used) to the ECS for the history of data products that the SCF specifies.	ECS has an implied requirement to receive the status requests from SCFs. Product history means production history.	
SCF-0390#B	2476	mission essential	SDPS	interface	demo~~TBD~~	un-verified	demo	un-verified	The ECS	Product history means	

									shall have the capability to provide SCF with the Product History of data products that the SCF specifies.	production history.	
		~~TBD~~									

Table 3: Changes to NSI Release B RBRs
Baseline: November 8, 1996
CCR: 96-1474/A

RBR_id	req_key	req_category	segment	req_type	s_verif_method	s_verif_stat	a_verif_method	a_verif_stat	text	interpretation text	clarification
NSI-0010#B	8267	N/A_procedural	CSMS	procedural	inspection~~demo~~	un-verified	inspection~~demo~~	un-verified	NSI, responsible for EOSDIS "Mission Success" network services, shall provide network connectivity to the following ECS facilities: a. ECS at the GSFC DAAC, Goddard Space Flight Center (GSFC), Greenbelt, Maryland b. ECS		

								Operations Center (EOC), Gorddard Space Flight Center (GSFC), Greenbelt, Maryland c. System Monitoring and Coordination facility (SMC), Goddard Space Flight Center (GSFC), Greenbelt, Maryland d. ECS at the EDC DAAC, Earth Resources Observation System (EROS) Data Center (EDC), Sioux Falls, South Dakota e. ECS at the JPL DAAC, Jet Propulsion Laboratory (JPL), Pasadena, California	

									f. ECS at the LaRC DAAC, Langley Research Center (LaRC), Hampton, Virginia g. ECS at the NSIDC DAAC, University of Colorado, National Snow and Ice Data Center (NSIDC), Boulder, Colorado h. ECS at the ASF DAAC, University of Alaska, Alaska Synthetic Aperture Radar (SAR), Fairbanks, Alaska		
NSI-0020#B	8270	N/A_pro cedural	CSMS	procedur al	not verified by ECS	N/A_pro ceduraun -verified	not verified by ECS	N/A_pro ceduralun verified	NSI shall provide support for TCP/IP communicatio n protocols and services to ESN.		
NSI-0030#B	6239	mission essential	CSMS	interface	demo	un-verified	demo	un-verified	NSI shall have the		

									capability of sending and ECS shall have the capability of receiving notification of faults in NSI's network that may affect the quality of NSI services between ECS and its users.		
NSI-0040#B	6240	mission essential	CSMS	interface	demo	un-verified	demo	un-verified	NSI shall make available to ECS information regarding fault status and estimated time to repair or resolve NSI faults that may affect the quality of NSI services between ECS and its users.		ECS must be able to access or receive the information.
NSI-0050#B	6241	mission essential	CSMS	interface	demo	un-verified	demo	un-verified	NSI shall provide ECS with periodic summary information about faults that may have affected the quality of		ECS must be able to access or receive the information.

								NSI services between ECS and its users.		
NSI-0060#B	6242	mission essential	CSMS	interface	demo	un-verified	demo	un-verified	NSI shall provide ECS SMC with load analysis reports, reflecting or summarizing NSI performance measurements over various time intervals.		ECS must be able to access or receive the information.
NSI-0070#B	6243	mission essential	CSMS	interface/ security	demo	un-verified	demo	un-verified	NSI shall have the capability of sending and ECS shall have the capability of receiving notification of security breaches at NSI sites or within the NSI network that could potentially affect ECS sites.		